



# **Department of the Navy Integrated Digital Environment (IDE)**

**Status Briefing  
to the  
Under Secretary of Defense (A&T)  
13 October 1999**

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# Agenda

- What we told you last time
- What we've done since last time
- DoD IDE Web Site
- The road ahead
- Closing thoughts



# Highlights from March 1999

- New IDE development approach
  - PM driven
  - Validate & continuously improve framework through pilot approach
- Began joint effort to develop common operational architecture and metrics across Services
- Develop DoD IDE framework from PM input
- Standardization must leave room for
  - Innovation
  - Exploitation of competitive advantage
- IDE is less a system than a way of thinking about our processes and how we use data to execute them

***What we told you . . . 7 months ago***



# Validating Operational Architecture

- Operational Architecture
  - Tri-service agreement on Operational Architecture
  - Metrics
    - Surveying DoN programs to pilot methodology
    - Applying electronic survey and analysis tools (web-enabled)
  - Navy IDE Working Group (NIWG)
    - Reviewing architecture
    - Identifying core processes that span across the architecture
    - Prioritizing core processes to launch into IDE

*... developing a tri-service metrics approach*



# Building PM Guide



- PM Guide
  - Validated framework through NIWG
  - Realigning content to validated framework
  - Soliciting content from Subject Matter Experts (SME)
  - Drafting sample Sections C, L, & M
    - Performance specification, data standards
    - Technology insertion plans
    - Significant factors in selection criteria
- Established sub-teams to focus on specific issues:
  - Contractor requirements and specifications
  - Government requirements and specifications
  - Program data and security
  - Policy, measures, and metrics

*. . . assembling PM guidance*



# Creating a Training Platform

- Relationship with DSMC/DA
  - Training future PMs
    - Lecturing at Executive and Advanced Program Manager Courses (EPMC / APMC)
  - Established a Tri-service PM single source IDE Web portal
    - Requested a “.mil” WWW address for the DoD IDE web site
  - Integrating PM Guide content as a critical part of the DSMC IDE Learning Module infrastructure
    - Central configuration management tool for integrating PM Guide content to IDE Learning Module infrastructure
    - IDE now a strategic learning module within PM course curriculum

*ng out IDE from where it starts . . . the schoolhouse*



# Establishing Communication Portal

DoD-wide portal



- Policy Guidance
- Points of Contact
- Resources
  - Operational Architecture
  - Maturity Levels
  - PM Guide
  - PCLM Design
- Service Specific Areas
  - Briefs
  - Minutes
  - Demos
- Lessons learned

**Management Plan and  
Communications Plan**



# The Road Ahead



- Securing participation from major industry associations
  - AIA, AFEI, EIA
- Analyzing AIA model (prime/supplier) for IDE
- Continuing to develop PM Guide content from NIWG, Tri-services, and SME input
- Aggressively soliciting pilot program participation

*. . . progress breeds change*





# Closing Thoughts

- Task is challenging
  - all agree in principle, specific contract language is difficult
- Funding is an obstacle to progress
  - hard to fund what you can't define
  - already in many budgets
- Struggling to obtain PM commitment for pilots
- Addressing cultural change issues now

***. . . barriers to change must be defeated***



# Back Up Slides



- Back up



# Schedule

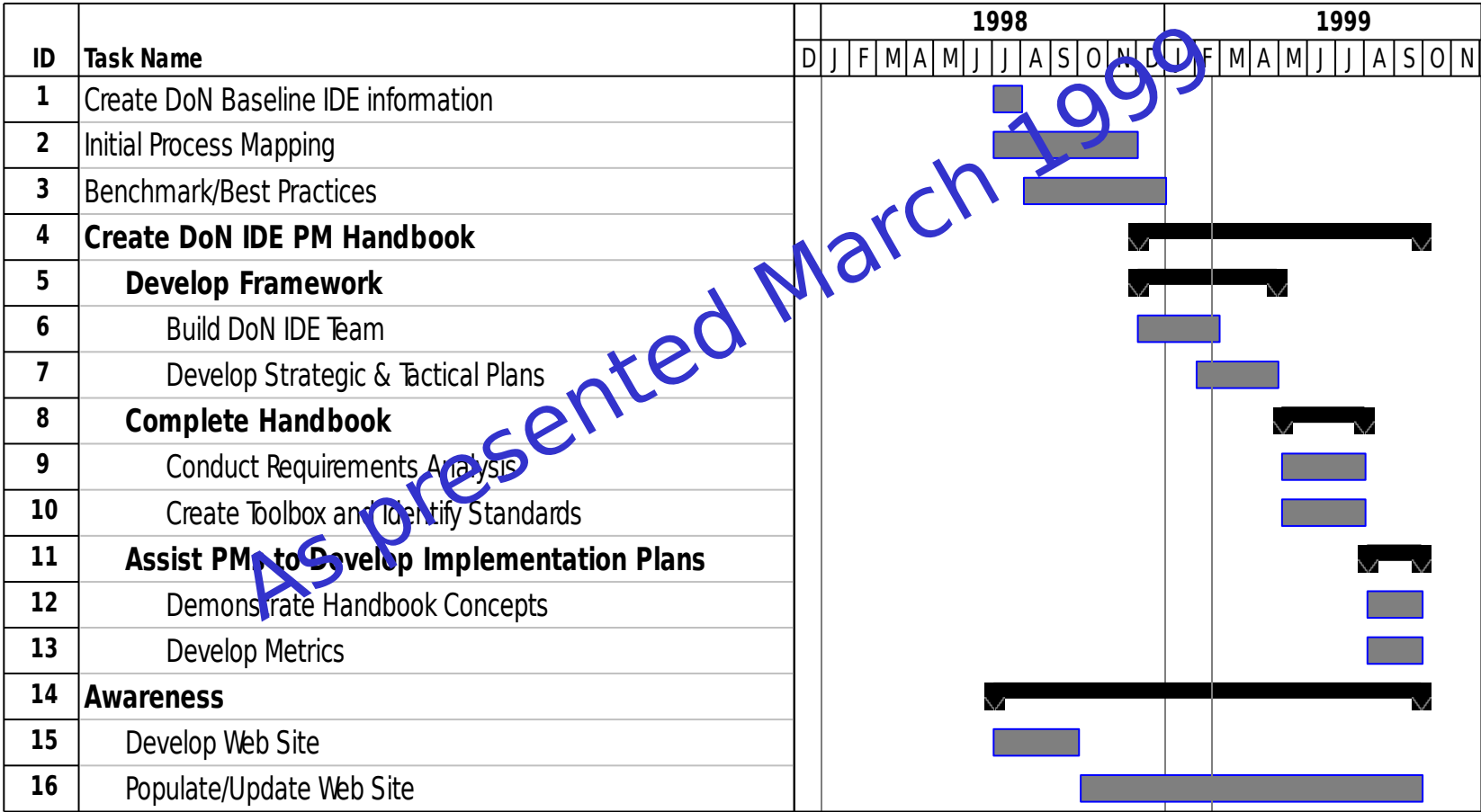


ID	Task Name	Q3 '98			Q4 '98			Q1 '99			Q2 '99			Q3 '99			Q4 '99			Q1 '00			Q2 '00								
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun						
1	IDE Web Development																														
2	Develop Web Site																														
3	Popluate Data																														
4	Acquisition Operational Architecture																														
5	Develop Conceptual Architecture																														
6	Gather Tri-Service Input																														
7	Develop Joint Operational Architecture																														
8	IDE Metric Analysis																														
9	Develop Metrics																														
10	Develop Metric Tool																														
11	Implement Tool/Collect Data																														
12	Analyze Data																														
13	Publish Results																														
14	IDE PM Web Guide Development																														
15	Develop Web Guide outline																														
16	Develop Web Content																														
17	Transition IDE Handbook to IDE Web Guide																														
18	Integrate IDE Web Content into DSMC PCLMs																														
19	Implement IDE Pilot Activities																														
20	Demonstrate UML Capabilities																														
21	Establish Industry Association Relationships																														
22	Provide E-business Subject Expertise to IDE																														

2/28/00 8:00 AM



# Schedule





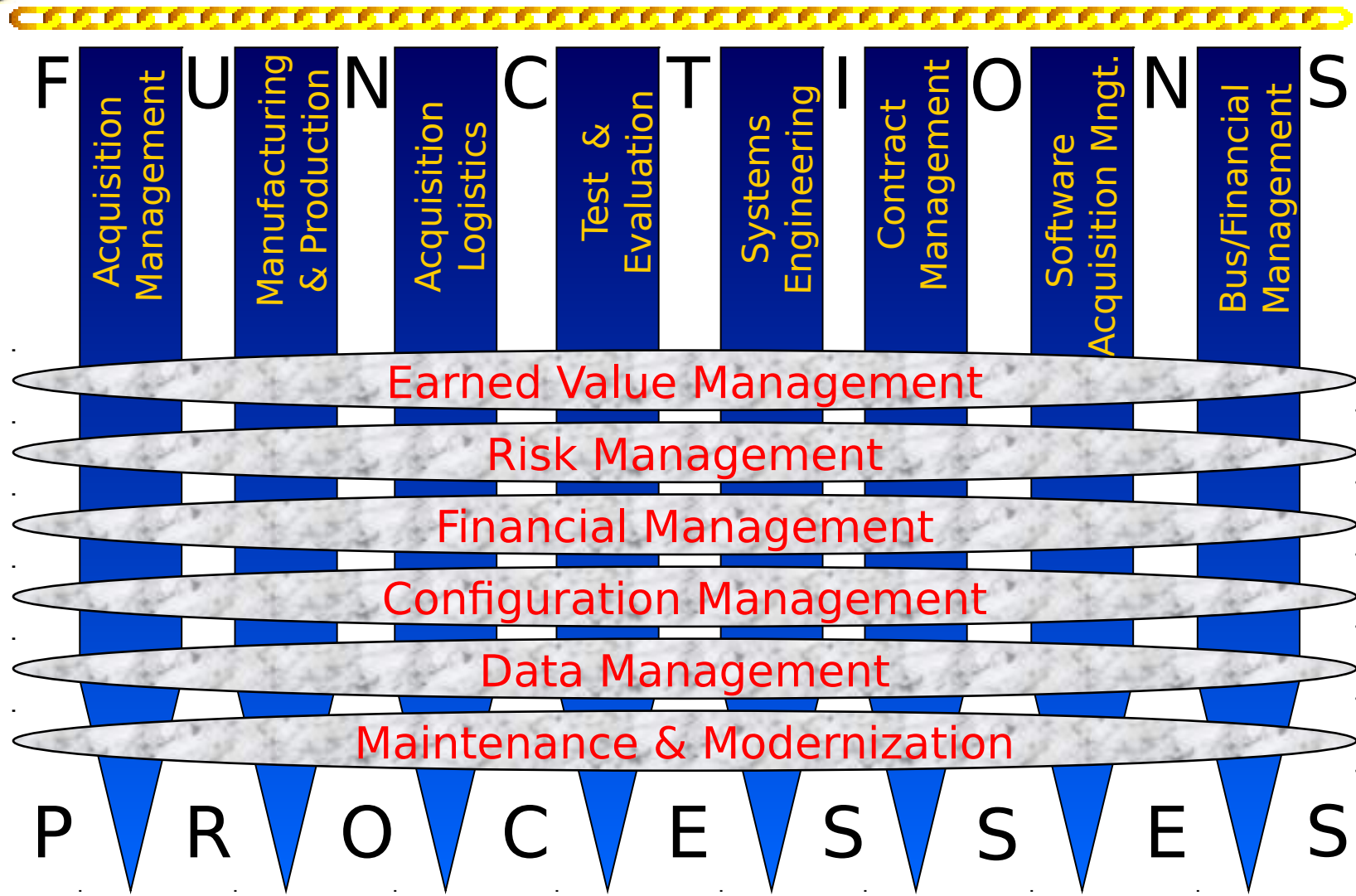
# Schedule



ID	Task Name	1999					2000					2001					2002	
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
19	Implementation Scope																	
20	Deliverables																	
21	Updated DoN IDE Policies																	
22	DoN Architectures																	
23	Provide Input to DoN Operational Architecture																	
24	Utilize Integrated Process Engineering (IPE) Methodology																	
25	Provide Input to PEO/PM System Architectures																	
26	Provide Input to PEO/PM Technical Architectures																	
27	Performance Metrics																	
28	Develop Performance Metrics																	
29	Collect Performance Metrics																	
30	Support DoN-wide IDE Implementations																	
31	Workflow																	
32	ERP																	
33	PDM																	



# Identifying Core Processes



*... first identify a common operational baseline*



# Developing Maturity Levels

## Level 0

**Paper-based  
Organization**

Little, if any, automation; processes rely on re-keying of data, products mainly exchanged via paper

## Level 1

**Electronic  
Data  
Transmission**

“Pushing” of electronic data (e.g. E-mail); minimal process reengineering or data integration between processes, begin to evaluate enabling process change technologies

## Level 2

**Electronic  
Data  
Exchange**

Move from a “push” to a “pull” data environment; initiate process redesign and implement integration technologies; minimal, if any, usage of paper



# Developing Maturity Levels

## Level 3

Limited  
Shared  
Processes

Data managed by-directionally, governed by standards; reengineered processes may involve rudimentary workflow (CITIS) or web collaboration. Information shared primarily between a particular process within a single organization

## Level 4

Local  
Workflow  
Enabled

Processes moved from data management technology to process automation/standardization; limited data sharing between processes, programs, or organizations

## Level 5

Integrated  
Workflow

Boundary less environment where data is shared among all processes, programs, and organizations